

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	45910	variable near4 (light or laser or led or emitt\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:47
L2	12674	fiber near2 pair	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:47
L3	111849	convert\$5 near4 electrical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:47
L4	737519	modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:47
L5	33323	(determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:47
L6	16	L1 and L2 and L3 and L4 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:47
L7	66	((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (wavelength or frequenc\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:56

## EAST Search History

L8	51	((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (wavelength or frequenc\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5 and @ad<="20000615") or (((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fiber near2 pair) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:49
L9	66	((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (wavelength or frequenc\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:49
L10	56	((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (light or laser or led or emitt\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:49
L11	1042	((variable near4 (wavelength or frequenc\$5) ) or (variable near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (wavelength or frequenc\$5) )) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:55
L12	136	((variable near4 (wavelength or frequenc\$5) ) or (variable near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (wavelength or frequenc\$5) )) and (fiber near2 pair) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:50
L13	339785	(determin\$5 or detect\$5 or measur\$5 or calculat\$5 or monitor\$5 or inspect\$5) near5 characteristic\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:50

## EAST Search History

L14	45910	variable near4 (light or laser or led or emitt\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:50
L15	111849	convert\$5 near4 electrical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:50
L16	737519	modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:50
L17	310	L14 and L15 and L16 and (reference near2 (signal or frequency or pulse))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:50
L18	225454	((variable near4 (wavelength or frequenc\$5) ) or (variable near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (wavelength or frequenc\$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:51
L19	8243	((determin\$5 or detect\$5 or measur\$5 or calculat\$5 or monitor\$5) near5 (characteristic\$2 or dispersion or (group near2 delay))) with (fiber or waveguide or dut or (device near2 under near2 test))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:51
L20	139	L19 and L18 and L14 and L15 and L16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:51
L21	5898	(convert\$5 near4 electrical) with (reflect\$5 near4 (light or beam or signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:51
L22	50	L20 and L21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:51

## EAST Search History

L23	432662	((first and second) or ((one or first) and (other or another or opposite))) near4 direction	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:51
L24	5	L22 and L23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:51
L25	66	((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (wavelength or frequenc\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:54
L26	51	(((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (wavelength or frequenc\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5 and @ad<="20000615") or (((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fiber near2 pair) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:54
L27	66	((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (wavelength or frequenc\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:54
L28	56	((determin\$5 or detect\$5 or measur\$5 or calculat\$5) near7 ((group near2 delay) or dispersion)) and (fix\$2 near4 (light or laser or led or emitt\$5) ) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:54
L29	57	(L25 or L26 or L27 or L28) and L23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:54

## EAST Search History

L30	45	L29 and L1 and L3 and L4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:54
L31	40	7 and 8 and 9 and 10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:55
L32	7	31 and 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:57
L33	10	(7 or 8 or 9 or 10) and 12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:57
L34	4463	(356/73.1,364,365,366,367,368,369).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/15 09:58
L35	2176	(250/225,227.14,227.15,227.16,227.17).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/15 09:58
L36	10153	(385/11,15,24,27,39,122).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/15 09:58
L37	16247	L34 or L35 or L36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:58
L38	146	L37 and L3 and L4 and L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:58

## EAST Search History

L39	27	L38 and L23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 09:58
L40	10	(((first and second) or ((one or first) and (other or another or opposite))) near4 direction) and (convert\$5 near4 electrical) and (((variable near4 (wavelength or frequenc\$5) ) or (variable near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (light or laser or led or emitt\$5) ) or (fix\$2 near4 (wavelength or frequenc\$5) )) and (opposite near3 direction) and (convert\$5 near4 electrical ) and modulat\$5)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/15 10:19